

**Flood Control Project Maintenance
Levee Inspections**

Fall 2009 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

ST0003	Overall LMA Rating	Total LMA Miles				
Sutter Maintenance Yard East Levee Sacramento River	A	27.17				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.02		0.02	0.07%		
Trim / Thin Trees	0.01		0.01	0.04%		
Encroachments	0.19		0.19	0.70%		0.06
Animal Control	0.86		0.86	3.17%		
<i>LMA Totals:</i>	1.08	0.00	1.08	3.98%	0.00	0.06

Unit No. 01 Sacramento River	Overall Unit Rating	Total Unit Miles				
	A	20.39				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Trim / Thin Trees	0.01		0.01	0.05%		
Encroachments	0.19		0.19	0.93%		0.06
Animal Control	0.82		0.82	4.02%		
<i>Unit Totals:</i>	1.02	0.00	1.02	5.00%	0.00	0.06

Unit No. 02 Colusa Bypass	Overall Unit Rating	Total Unit Miles				
	A	2.20				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
No Items						
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.00	0.00

Unit No. 03 Colusa Bypass	Overall Unit Rating	Total Unit Miles				
	A	2.28				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Vegetation	0.02		0.02	0.88%		
<i>Unit Totals:</i>	0.02	0.00	0.02	0.88%	0.00	0.00

Unit No. 04 Moulton Bypass	Overall Unit Rating	Total Unit Miles				
	A	0.30				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Animal Control	0.01		0.01	3.33%		
<i>Unit Totals:</i>	0.01	0.00	0.01	3.33%	0.00	0.00

Unit No. 05 Moulton Bypass	Overall Unit Rating	Total Unit Miles				
	A	2.00				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
Animal Control	0.03		0.03	1.50%		
<i>Unit Totals:</i>	0.03	0.00	0.03	1.50%	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2009 Levee Inspection Results

Sutter Maintenance Yard East Levee Sacramento River

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Sutter Maintenance Yard East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	20.39

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	5/13/2009		10/12/2009	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By			Bryan Reniff Sutter Yard	
			Karen Hull Sutter Yard	
			Joel Farias Jr. Sutter Yard	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Sutter Maintenance Yard East Levee Sacramento River

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River							Left	20.39	10/22/2009 10/22/2009	Bob Duffey
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.08	0.14	Earthen Levee	Encroachments	WS	CO	Buildings	39.194978 ° -121.937502 °	39.195022 ° -121.938563 °	3
2	1.54	1.69	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.191057 ° -121.960547 °	39.189465 ° -121.962527 °	18
3	5.37	5.37	Earthen Levee	Encroachments	LS	M	Prunings	39.217235 ° -122.003672 °	39.217235 ° -122.003672 °	19
4	6.33	6.33	Earthen Levee	Encroachments	LS	M	Prunings	39.223637 ° -121.998848 °	39.223637 ° -121.998848 °	20
5	6.42	6.42	Earthen Levee	Encroachments	LS	M	Material	39.224982 ° -121.998600 °	39.225013 ° -121.998585 °	21
6	6.43	6.43	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.225133 ° -121.998597 °	39.225133 ° -121.998597 °	22
7	6.93	6.96	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.229842 ° -121.995837 °	39.230292 ° -121.995765 °	23
8	12.57	12.57	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	39.294880 ° -122.014133 °	39.294880 ° -122.014133 °	13
9	13.18	13.18	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	39.303152 ° -122.013128 °	39.303152 ° -122.013128 °	27
10	15.79	15.83	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	39.338152 ° -122.022677 °	39.338323 ° -122.022230 °	24
11	16.01	16.36	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.340367 ° -122.023185 °	39.344942 ° -122.023668 °	28
12	16.97	16.97	Earthen Levee	Encroachments	LS	M	Prunings	39.347280 ° -122.015095 °	39.347280 ° -122.015095 °	26
13	17.71	17.81	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.355107 ° -122.009207 °	39.356445 ° -122.008762 °	29
14	17.88	18.01	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	39.357513 ° -122.008460 °	39.359033 ° -122.007390 °	30
15	18.04	18.18	Earthen Levee	Encroachments	LS	M	Equipment	39.359188 ° -122.006878 °	39.359980 ° -122.004517 °	16
16	18.11	18.11	Earthen Levee	Encroachments	LS	M	Prunings	39.359718 ° -122.005793 °	39.359718 ° -122.005793 °	31

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Sutter Maintenance Yard East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 02 Colusa Bypass			Right	2.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection			10/12/2009	
DWR Inspector			Bob Duffey	
Accompanied By			Bryan Reniff Sutter Yard	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Sutter Maintenance Yard East Levee Sacramento River

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Colusa Bypass	Right	2.20	10/27/2009 10/27/2009	Bob Duffey

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1							No issues were reported.	°	°	°

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Sutter Maintenance Yard East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 03 Colusa Bypass			Left	2.28
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/23/2009		10/12/2009	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By			Bryan Reniff Sutter Yard	

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Levee Inspection Report By Mile - Fall 2009

Sutter Maintenance Yard East Levee Sacramento River

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 03 Colusa Bypass						Left	2.28	10/27/2009 10/27/2009	Bob Duffey	
LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.03	0.03	Earthen Levee	Trim / Thin Trees	LS	C	Trim trees to at least five feet above ground level.	39.236587 ° -121.993603 °	39.236587 ° -121.993603 °	4
2	1.98	1.98	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	39.244888 ° -121.965595 °	39.244888 ° -121.965595 °	10
3	2.16	2.19	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	39.244823 ° -121.962300 °	39.244832 ° -121.961688 °	12
4	2.17	2.17	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	39.244838 ° -121.962072 °	39.244838 ° -121.962072 °	13

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2009 Levee Inspection Results

Sutter Maintenance Yard East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 04 Moulton Bypass			Right	0.30

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/23/2009		10/12/2009	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By			Bryan Reniff Sutter Yard	
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Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Sutter Maintenance Yard East Levee Sacramento River

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Moulton Bypass				Right	0.30	10/22/2009 10/22/2009	Bob Duffey

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.13	0.13	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	39.337497 ° -122.019807 °	39.337497 ° -122.019807 °	1

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

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Sutter Maintenance Yard East Levee Sacramento River

Waterway			Bank	Unit Miles
Unit No. 05 Moulton Bypass			Left	2.00
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	3/23/2009		10/12/2009	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By			Bryan Reniff Sutter Yard	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2009

Sutter Maintenance Yard East Levee Sacramento River

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Moulton Bypass						Left	2.00	10/27/2009 10/27/2009	Bob Duffey

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.42	0.45	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.342852 ° -122.015438 °	39.342683 ° -122.014908 °	1

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